ATTO FibreBridge™ 4500R/D

Fibre Channel

Fibre Channel-to-SCSI Bridge for High-availability Environments

The ATTO FibreBridge™ 4500R/D is a Fibre Channel-to-SCSI bridge featuring three (3) independent Fibre Channel ports each with a 1-Gigabit SC optical connector and four (4) independent Ultra2 SCSI ports. With three independent Fibre Channel ports the user can designate one port for failover purposes or utilize all three for maximum data band-width and superior data transfer.

ATTO's intelligent Bridging Architecture™ offers a unique combination of features that gives manufacturers the ability to embed customized value into their products.

The FibreBridge 4500R/D meets the performance, reliability and fault-tolerance requirements for Enterprise-class storage applications as well as for any Storage Area Network (SAN) environment.

TECHNICAL HIGHLIGHTS

- **3 x 4 with three independent 1.0625-Gigibit Fibre Channel ports and four (4) independent Ultra2 SCSI busses**
- **High performance: Up to 1.5 TB/hr. throughput**
- **300 MB/sec. maximum throughput**
- **Support for SNIA Extended Copy**
- **RS-232, Ethernet and Fibre Channel In-band configuration, monitoring and management**
- **Supports path and device failover**

ATTO

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ATTO FibreBridge™ 4500R/D

Fibre Channel and SCSI

Fibre Channel Interface:

- 1.0625-Gigabit (200 MB/sec. in full-duplex mode)
- Three (3) independent SC optical ports
- Full support for direct connect to F-port fabric switches
- Class 2, Class 3 ANSI Fibre Channel specifications
- PLDA, public loop login (NL_ports) and fabric direct connect (N_port)
- Full-duplex transmissions
- FC Chip: Qlogic ISP2200A

SCSI Interface:

- Four (4) independent VHDCI SCSI connectors
- Supports LVD Ultra2 or HVD UltraSCSI
- LVD Ultra2 SCSI – 80 MB/sec. max. per channel
- HVD UltraSCSI – 40 MB/sec. max. per channel
- Backward compatible with all Single-Ended SCSI (LVD only) devices
- 128 LUNs per channel
- HVD SCSI Chip: LSI Logic SYM53C896
- LVD SCSI Ship: LSI Logic SYM54C1010

Performance:

- Up to 1.5 TB/hr.
- 300 MB/sec. maximum data-transfer rate
- Up to 280 MB/sec. sustained data-transfer rate
- Memory: 64 MB of SDRAM
- Support for 2 concurrent XCOPY commands

Fibre Channel Compliance:

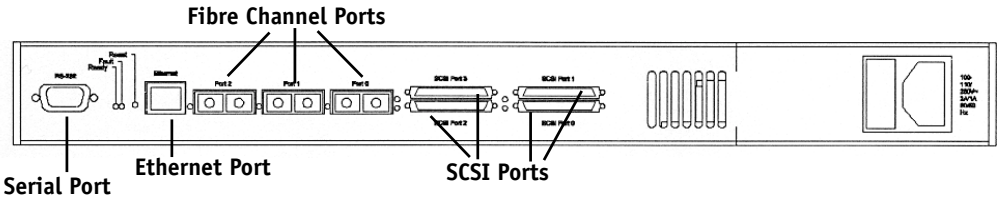
- ANSI FC-AL
- SNIA Extended Copy
- Class 2 and Class 3

Management

Device Management Physical Interface:

- In-band (through Fibre Channel)
- Serial through RS-232 port
- Network through 10/100 BaseT Ethernet Port (Telnet, FTP and SNMP)

Figure 2 - Rear Panel View



Device Management User Interface:

- Command Line Interface (CLI)
- ASCII-based menu system
- ATTO BridgeTools™ Java-based application
- Tag Command Queuing supported
- Performance reporting/Error logging

LEDs:

- Power
- Ready
- Fault
- FC activity port 0, 1, 2
- SCSI activity bus 0, 1, 2, 3

Environmental and Physical Characteristics

Dimensions:

16.725" W
10.000" L
1.720" (1U) H

Operating Environment:

- Temperature: 5-70° C
- Humidity: 0-90% non-condensing

Power:

- Input: 85-250 VAC
  50/60 Hz
  Max 2.0 A @ 110 VAC
- Rated: 90-132 VAC; 175 - 264 VAC, 47-63Hz, single phase
- Reset button

Configuration:

- Desktop (with attached feet)
- 19" Rack mount kit included (mounting brackets)

Airflow:

- Internal fans provide 11 CFM internal air flow
- Ambient air not to exceed 70° C
- Front to back
- Optional side to side

Other

Operating Systems Supported:

- Operating system independent

Agency Certifications:

- FCC Class A
- CE (EN55022/EC50082)
- CSA

- Flash: 2 qty. 16-Mbit to store Xilinz configuration and i906, 2200 and 896/1010 firmware
- Internal 66 MHz PCI bus

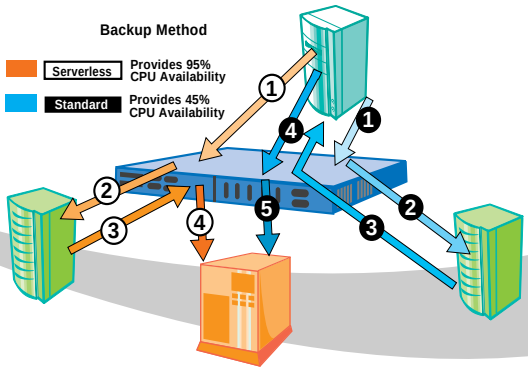


Figure 1 - Serverless Backup

Fibre Channel